



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION I

5 POST OFFICE SQUARE, SUITE 100
BOSTON, MASSACHUSETTS 02109-3912

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

MAY 23 2013

Mr. Antonio J. Matta
City Architect, City of Hartford
525 Main Street
Hartford, Connecticut 06103

Re: PCB Cleanup and Disposal Approval under 40 CFR §§ 761.61(a) and (c)
and § 761.79(h)
Former Burgdorf Health Clinic and North End Senior Center
80 Coventry Street
Hartford, Connecticut

Dear Mr. Matta:

This is in response to the City of Hartford (the City) Notification¹ for approval to clean up and dispose of PCB-contaminated building materials in the building located at 80 Coventry Street, Hartford, Connecticut. The building consists of 2 sections; a section that was the former Burgdorf Health Center (BHC) and a section which still serves as the North End Senior Center (NESC)(together, "the Site"). The Site contains caulk and other building materials that exceeds the allowable PCB levels under the federal PCB regulations at 40 CFR § 761.20(a), § 761.61, and § 761.62.

In its Notification, the City has proposed the following PCB cleanup and disposal plan:

- Remove PCB caulk and paint with a PCB concentration greater than or equal to (\geq) 50 parts per million (ppm), and the window/door and louver systems, and adjacent *porous surfaces* (i.e., within 4-1/2 inches brick/mortar, within 12 inches concrete pads/sidewalks, and entire stone window sills) and dispose of as a *PCB bulk product waste*
- Remove concrete soffits 12 inches from the expansion joints to a minimum depth of 2 inches and dispose of as a *PCB bulk product waste*

¹ The notifications were prepared by Eagle Environmental, Inc on behalf of the City to satisfy the notification requirement under 40 CFR § 761.61(a)(3). Information was submitted dated October 19, 2012 (Self-Implementing On-Site Cleanup and Disposal Plan (SIDP)); March 25, 2013 (Revised SIDP and Response to EPA Comments); and April 24, 2013 (email response to questions). These submittals shall be referred to as the "Notification".

- Decontaminate steel lintels to the NACE No. 2 visual standard in accordance with § 761.79(b)(3)(i)(B)
- Remove PCB-contaminated soils from areas specified in the Notification and dispose of as less than (<) 50 ppm *PCB remediation waste* in accordance with § 761.61(a)(5)(i)(B)(2)(ii)
- Conduct sampling of the *porous surfaces* (i.e., concrete) and bulk *PCB remediation waste* (i.e., soil) to confirm that the PCB standard of less than or equal to 1 ppm has been met

The City has determined that certain PCB-contaminated building products, which have a PCB concentration at < 50 ppm, meet the criteria for an *Excluded PCB Product* under § 761.3. Under the PCB regulations, *Excluded PCB Products* are authorized for use and thus there is no requirement for removal of the caulk or decontamination of surfaces that are in contact with the < 50 ppm PCB-contaminated building products.

With the exception of the proposed verification sampling frequency for certain decontaminated *porous surfaces* (i.e., interior brick at sills, concrete pads/sidewalks, and exterior brick at the window/door/vent openings and expansion joints), the Notification meets the requirements and standards established under §§ 761.61(a), 761.62, and 761.79(h) for cleanup and disposal of *PCB remediation waste* and *PCB bulk product waste*.

The City has proposed a deviation from the verification sampling requirements under § 761.61(a)(6) for brick and the concrete sidewalks/pads at the doors. Specifically, the City is proposing:

- To remove the brick from the interior window sills and concrete from the sidewalk/pads based on the characterization sampling with no post-abatement sampling
- To conduct an alternative verification sampling frequency for exterior brick at the windows, doors, vents, and expansion joints. The City has proposed that samples be collected at a frequency of 1 sample per 35 linear feet for a total of 17 samples for the NESC and 114 samples for the BHC

For the brick at the interior window sills and the concrete sidewalk/pads, EPA has determined that the characterization data and removal plan are sufficient to confirm that PCB-contaminated brick and concrete sidewalk/pads with greater than (>) 1 ppm will be removed without further sampling. For the exterior brick, based on the characterization sampling data and the proposed removal plan, the proposed sampling frequency will be sufficient to confirm that the PCB cleanup standard has been met. The proposed deviations from the verification sampling requirements under § 761.61(a)(6) for these substrates will not present an unreasonable risk to public health or the environment and EPA may approve the proposed sampling under § 761.61(c).

The City may proceed with its cleanup in accordance with 40 CFR §§ 761.61(a) and (c); § 761.62; § 761.79(h); its Notification; and this Approval, subject to the conditions of Attachment 1.

Please be aware that this Approval requires the City to conduct outreach activities for the NESC community on the PCB remediation work, since PCBs ≥ 1 ppm will remain on the Site. This outreach effort shall be coordinated with EPA, the Connecticut Department of Energy and Environmental Protection (CTDEEP), and the Connecticut Environmental Justice (EJ) Coordinator (see Attachment 1, Condition 12).

Questions and correspondence regarding this Approval should be directed to:

Kimberly N. Tisa, PCB Coordinator (OSRR07-2)
United States Environmental Protection Agency
5 Post Office Square, Suite 100
Boston, Massachusetts 02109-3912
Telephone: (617) 918-1527
Facsimile: (617) 918-0527

EPA shall not consider this project complete until it has received all submittals required under this Approval. Please be aware that upon EPA receipt and review of the submittals, EPA may request any additional information necessary to establish that the work has been completed in accordance with 40 CFR Part 761, the Notification, and this Approval.

Sincerely,



James T. Owens III, Director
Office of Site Remediation & Restoration

cc Chris Liberti, Eagle Environmental
Gary Trombly, CT DEEP
Edith Pestana, EJ Coordinator – CT DEEP
File

Attachment 1: PCB Approval Conditions

ATTACHMENT 1:

**PCB CLEANUP AND DISPOSAL APPROVAL CONDITIONS
FORMER BURGENDORF HEALTH CENTER
AND NORTH END SENIOR CENTER (the Site)
80 COVENTRY STREET
HARTFORD, CONNECTICUT**

GENERAL CONDITIONS

1. This Approval is granted under the authority of Section 6(e) of the Toxic Substances Control Act (TSCA), 15 U.S.C. § 2605(e), and the PCB regulations at 40 CFR Part 761, and applies solely to the *PCB bulk product waste* and the *PCB remediation waste* located at the Site and identified in the Notification.
2. The City of Hartford (the City) shall conduct on-site activities in accordance with the conditions of this Approval and with the Notification.
3. In the event that the cleanup plan described in the Notification differs from the conditions specified in this Approval, the conditions of this Approval shall govern.
4. The terms and abbreviations used herein shall have the meanings as defined in 40 CFR § 761.3 unless otherwise defined within this Approval.
5. The City must comply with all applicable federal, state and local regulations in the storage, handling, and disposal of all PCB wastes, including PCBs, PCB Items and decontamination wastes generated under this Approval. In the event of a new spill during response actions, the City shall contact EPA within 24 hours for direction on PCB cleanup and sampling requirements.
6. The City is responsible for the actions of all officers, employees, agents, contractors, subcontractors, and others who are involved in activities conducted under this Approval. If at any time the City has or receives information indicating that the City or any other person has failed, or may have failed, to comply with any provision of this Approval, it must report the information to EPA in writing within 24 hours of having or receiving the information.
7. This Approval does not constitute a determination by EPA that the transporters or disposal facilities selected by the City are authorized to conduct the activities set forth in the Notification. The is responsible for ensuring that its selected transporters and disposal facilities are authorized to conduct these activities in accordance with all applicable federal, state and local statutes and regulations.

8. This Approval does not: 1) waive or compromise EPA's enforcement and regulatory authority; 2) release the City from compliance with any applicable requirements of federal, state or local law; or 3) release the City from liability for, or otherwise resolve any violations of federal, state or local law.
9. Failure to comply with the Approval conditions specified herein shall constitute a violation of the requirement in § 761.50(a) to store or dispose of PCB waste in accordance with 40 CFR Part 761 Subpart D.

NOTIFICATION AND CERTIFICATION CONDITIONS

10. This Approval may be revoked if the EPA does not receive written notification from the City of its acceptance of the conditions of this Approval within 10 business days of receipt.
11. The City shall submit the following information for EPA review and/or approval:
 - a. a certification signed by its selected abatement/demolition contractor, stating that the contractor(s) has read and understands the Notification, and agrees to abide by the conditions specified in this Approval;
 - b. a contractor work plan, prepared and submitted by the selected demolition or abatement contractor(s) describing the containment and air monitoring that will be employed during abatement activities. This work plan should also include information on how and where wastes will be stored and disposed of, and on how field equipment will be decontaminated; and,
 - c. a certification signed by the selected analytical laboratory, stating that the laboratory has read and understands the extraction and analytical method requirements and quality assurance requirements specified in the Notification and in this Approval.
12. The City shall conduct outreach activities for the North End Senior Center (NESC) community on the PCB remediation work. This outreach effort shall be coordinated with EPA and the Connecticut Department of Environmental Protection (CTDEEP), including the Environmental Justice Coordinator. The City shall submit information on its outreach activities within 30 days of receipt of this Approval.

REMEDIAL AND DISPOSAL CONDITIONS

13. To the maximum extent practical, engineering controls, such as barriers, and removal techniques, such as the use of HEPA ventilated tools, shall be utilized during removal processes. In addition, to the maximum extent possible, disposable equipment and materials, including PPE, will be used to reduce the amount of decontamination necessary.
14. PCB-contaminated materials shall be decontaminated and confirmatory sampling and analysis shall be conducted as described below:
 - a. All visible residues of PCB caulk and paint (i.e., *PCB bulk product waste*) shall be removed as described in the Notification.
 - b. The cleanup standard for bulk *PCB remediation waste* (i.e., soil) shall be less than or equal to (\leq) 1 part per million (ppm). Verification samples shall be collected on a bulk basis (e.g., mg/kg) and reported on a dry-weight basis. Verification sampling shall comply with Subpart O; samples shall be collected from both excavation bottoms and sidewalls, as applicable.
 - c. The decontamination standard for *porous surfaces* (i.e., bricks and concrete) shall be \leq 1 ppm. Sampling for *porous surfaces* shall be performed on a bulk basis (i.e., mg/kg) and reported on a dry weight analysis. Sampling for *porous surfaces* shall be conducted in accordance with the EPA Region 1 *Standard Operating Procedure for Sampling Porous Surfaces for Polychlorinated Biphenyls (PCBs) Revision 4, May 5, 2011*, at a maximum depth interval of 0.5 inches. Verification samples shall be collected at the frequency specified in 40 CFR 761 Subpart O, with the exception of the following:
 - i) Exterior brick at windows, doors, vents, and expansion joints. Verification samples will be collected at a frequency of 1 sample per 35 lf of material, resulting in 17 samples for the North End Senior Center (NESC) and 114 samples for the Burgdorf Health Center (BHC)
 - ii) No verification samples shall be required on the concrete pads/sidewalks or the interior brick beneath the stone sills
 - d. Chemical extraction for PCBs shall be conducted using Methods 3500B/3540C of SW-846; and, chemical analysis for PCBs shall be conducted using Method 8082 of SW-846, unless another extraction/analytical method(s) is validated according to Subpart Q.

15. *Non-porous surfaces* shall be decontaminated to meet the NACE No. 2 visual standard in accordance with § 761.79(b)(3)(i)(B).
 - a. In the event that the NACE No. 2 visual standard cannot be met, post-decontamination verification sampling shall be performed on a surface area basis by the standard wipe test as specified in 40 CFR § 761.123 (i.e., $\mu\text{g}/100\text{ cm}^2$) and in accordance with Subpart P.
 - b. The decontamination standard for *non-porous surfaces* (i.e., steel lintels) shall be $\leq 10\text{ }\mu\text{g}/100\text{ cm}^2$.
 - c. In the event decontaminated *non-porous surfaces* have PCB concentrations at greater than ($>$) $10\text{ }\mu\text{g}/100\text{ cm}^2$ PCBs, the City may conduct additional decontamination to achieve the required $\leq 10\text{ }\mu\text{g}/100\text{ cm}^2$ decontamination standard for use or shall be required to remove and dispose of the *non-porous surfaces* in accordance with § 761.61(a).
 - d. Chemical extraction for PCBs shall be conducted using Methods 3500B/3540C of SW-846; and, chemical analysis for PCBs shall be conducted using Method 8082 of SW-846, unless another extraction/analytical method(s) is validated according to Subpart Q.
16. All PCB waste (regardless of concentration) generated as a result of the activities described in the Notification, excluding any decontaminated materials, shall be marked in accordance with § 761.40; stored in a manner prescribed in § 761.65; and, disposed of in accordance with 40 CFR § 761.61(a)(5) or § 761.62, unless otherwise specified below:
 - a. Decontamination wastes and residues shall be disposed of in accordance with 40 CFR § 761.79(g).
 - b. Moveable equipment, tools, and sampling equipment shall be decontaminated in accordance with either 40 CFR § 761.79(b)(3)(i)(A), § 761.79(b)(3)(ii)(A), or § 761.79(c)(2).
 - c. PCB-contaminated water generated during decontamination shall be decontaminated in accordance with 40 CFR § 761.79(b)(1) or disposed of under § 761.60.

INSPECTION, MODIFICATION AND REVOCATION CONDITIONS

17. The City shall allow any authorized representative of the Administrator of the EPA to inspect the Sites and to inspect records and take samples as may be necessary to determine compliance with the PCB regulations and this Approval. Any refusal by the City to allow such an inspection (as authorized by Section 11 of TSCA) shall be grounds for revocation of this Approval.
18. Any proposed modification(s) in the plan, specifications, or information in the Notification must be submitted to EPA no less than 14 calendar days prior to the proposed implementation of the change. Such proposed modifications will be subject to the procedures of 40 CFR § 761.61(a)(3)(ii).
19. Any departure from the conditions of this Approval without prior, written authorization from the EPA may result in the revocation, suspension and/or modification of the Approval, in addition to any other legal or equitable relief or remedy the EPA may choose to pursue.
20. Any misrepresentation or omission of any material fact in the Notification or in any records or reports may result in the EPA's revocation, suspension and/or modification of the Approval, in addition to any other legal or equitable relief or remedy the EPA may choose to pursue.

RECORDKEEPING AND REPORTING CONDITIONS

21. The City shall prepare and maintain all records and documents required by 40 CFR Part 761, including but not limited to the records required under Subparts J and K. A written record of the decontamination and the analytical sampling shall be established and maintained by the City in one centralized location, until such time as EPA approves in writing a request for an alternative disposition of such records. All records shall be made available for inspection to authorized representatives of EPA.
22. The City shall submit a final report as both a hard copy and electronic version, to the EPA within 60 days of completion of the activities authorized under this Approval. At a minimum, this final report shall include: a short narrative of the project activities with photo-documentation; characterization and confirmation sampling analytical results; copies of the accompanying analytical chains of custody; field and laboratory quality control/quality assurance checks; an estimate of the quantity of PCB waste disposed of; copies of manifests and bills of lading; and copies of certificates of disposal or similar certifications issued by the disposer.

23. Required submittals shall be mailed to:

Kimberly N. Tisa, PCB Coordinator (OSRR07-2)
United States Environmental Protection Agency
5 Post Office Square, Suite 100
Boston, Massachusetts 02109-3912
Telephone: (617) 918-1527
Facsimile: (617) 918-0527

24. No record, report or communication required under this Approval shall qualify as a self-audit or voluntary disclosure under EPA audit, self-disclosure or penalty policies.

END OF ATTACHMENT